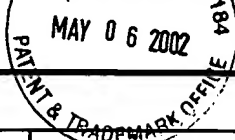


# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



ATTY DOCKET NO.  
UC97-156

SERIAL NO.  
09/849,096

SOLGAARD, O. ET AL.

FILING  
MAY 4, 2001

GROUP  
2874

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DL	5,504,575	04/1996	Stafford	356	330	
DL	5,796,479	08/1998	Derickson et al.	356	326	
DL	6,263,123	07/2001	Bishop et al.	385	15	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

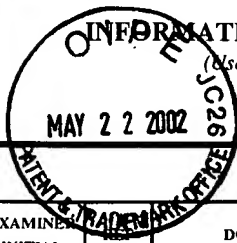

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JOHN D. LEE

DATE CONSIDERED

21 AUGUST 2002

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## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

UC97-156-9

Application Number

09/928,327

Applicant(s)

O. SOLGAARD; J. HERITAGE; A. BHATTARI

Filing Date

AUGUST 10, 2001

Group Art Unit

2874

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,983,039	01/1991	Harada et al.			
	5,627,925	05/1997	Alferness et al.			

## FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	0 548 830	06/1993	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	T. Gus McDonald et al.; "4 x 4 FIBER OPTIC CROSSBAR SWITCH USING THE DEFORMABLE MIRROR DEVICE," Paper presented at the Spatial Light Modulators and Applications Topical Meeting, pp. 80-83, September 10-12, 1990, Incline Village, NV (IEEE-LEOS and OSA Photonics Reports Technical Digest Series, Vol. 14, (1990)

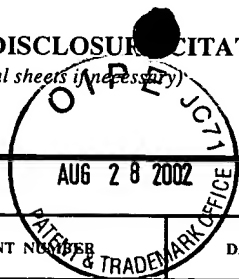
EXAMINER

DATE CONSIDERED

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# INFORMATION DISCLOSURE CITATION

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Docket Number (Optional)

UC97-15

Application Number

09/849,096

Applicant(s)

SOLGAARD ET AL.

Filing Date

MAY 4, 2001

Group Art Unit

2874

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
ADD		2,617,054	06/1997	JPN			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ADD		Timofeev, F.N. et al.; "1.5um FREE-SPACE GRATING MULTI/DEMULTIPLEXER AND ROUTING SWITCH," Electronics Letters, Vol. 32, No. 14, pp. 1307-1308, July 4, 1996.

EXAMINER

JOHN D. LEE

*John D. Lee*

DATE CONSIDERED

21 AUGUST 2003

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# INFORMATION DISCLOSURE CITATION

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Docket Number (Optional)

UC97-156

Application Number

09/849,096

Applicant(s)

OLAV SOLGAARD; ET AL.

Filing Date

MAY 4, 2001

Group Art Unit

2874

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ADL		4,678,332	07/1987	Rock et al.	356	328	
ADL		5,233,405	08/1993	Wildnauer et al.	356	333	
ADL		6,204,919	03/2001	Barshad et al.	356	326	

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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21 AUGUST 2003

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<div style="float: left; width: 100px; text-align: center;"><div style="border: 1px solid black; border-radius: 50%; width: 80px; height: 80px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">O I P E</div><div style="text-align: center; margin-top: 10px;">FEB 19 2003</div></div> <div style="float: right; width: 300px;"><b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)</div> <div style="clear: both;"></div>				Docket Number (Optional) <b>UC97-156-8</b>		Application Number <b>09/849,096</b>	
				Applicant(s) <b>OLAV SOLGAARD ET AL.</b>			
				Filing Date <b>MAY 4, 2001</b>		Group Art Unit <b>2874</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
DDZ	3,622,792	11/1971	Picciniani	359	298		
DDZ	5,436,986	07/1995	Tsai	385	16		
DDZ	5,444,801	08/1995	Laughlin	385	16		
<b>FOREIGN PATENT DOCUMENTS</b>							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)							
		<div style="display: flex; align-items: center; justify-content: center;"><div style="writing-mode: vertical-rl; transform: rotate(180deg);">RECEIVED</div><div style="writing-mode: vertical-rl; transform: rotate(180deg);">FEB 25 2003</div><div style="writing-mode: vertical-rl; transform: rotate(180deg);">2800 MAIL ROOM</div></div>					
EXAMINER <b>JOHN D. LEE</b> <i>John D. Lee</i>			DATE CONSIDERED <b>21 AUGUST 2003</b>				
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# INFORMATION DISCLOSURE CITATION

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Docket Number (Optional)

UC97-156-8

Application Number

09/849,096

Applicant(s)

OLAV SOLGAARD ET AL.

Filing Date

MAY 4, 2001

Group Art Unit

2874

\*EXAMINER  
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Koga, Masafumi et al.; "DESIGN AND PERFORMANCE OF AN OPTICAL PATH CROSS-CONNECT SYSTEM BASED ON WAVELENGTH PATH CONCEPT," Journal of Lightwave Technology, Vol. 14, No. 6, pp. 1106-1119, June 1996.

Koga, Masafumi et al.; "8 X 16 DELIVERY-AND-COUPPLING-TYPE optical switches fro a 320-Gbit/s THROUGHPUT OPTICAL PATH CROSS-CONNECT SYSTEM," OFC /96 Technical Digest, pp. 259-261, (1996).

Toshiyoshi, Hiroshi et al.; "ELECTROSTATIC MICRO TORSION MIRRORS FOR AN OPTICAL SWITCH MATRIX," Journal of Microelectromechanical Systems, Vol. 5, No. 4, pp. 231-237, December 1996.

Toshiyoshi, Hiroshi et al.; "AN ELECTROSTATICALLY OPERATED TORSION MIRROR FOR OPTICAL SWITCHING DEVICE," presented at Transducer's 95 Eurosensors IX (Conference on Solid State Sensors and Actuator) Stockholm, Sweden, pp. 297-300, June 25-29, 1995.

Okamoto, Satoru et al.; "OPTICAL PATH CROSS-CONNECT NODE ARCHITECTURES FOR PHOTONIC TRANSPORT NETWORK," Journal of Lightwave Technology, Vol. 14, No. 6, pp. 1410-1422, June 1996.

Okamoto, Satoru et al.; "OPTICAL PATH CROSS-CONNECT SYSTEMS FOR PHOTONIC TRANSPORT NETWORKS," NTT Transmission Systems Laboratories, IEEE, pp. 474-480, (1993).

Sato, Ken-ichi et al.; "OPTICAL PATHS AND REALIZATION TECHNOLOGES," NTT Optical Nework Systems Laboratories, IEEE, pp. 1513-1520, (1994).

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ITC 2800 MAIL ROOM

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DATE CONSIDERED

21 AUGUST 2003

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